## CLAIMS

What is claimed is:

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- 1. A modified glitch latch, said modified glitch latch comprising:
  - a modified glitch latch output terminal;
- a control circuit, said control circuit comprising

  a control circuit first input terminal, a control

  circuit second input terminal and a control circuit

  output terminal;
  - a clock signal coupled to said control circuit first input terminal, said clock signal having a first or "A" phase and a second or "B" phase;
  - a read signal coupled to said control circuit second input terminal, said read signal having a first or inactive phase and a second or active phase, wherein;
- a control signal from said control circuit output terminal opens said modified glitch latch only when, both:

said clock signal is in said "B" phase; and said read signal is in said active phase.

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2. The structure of Claim 1, wherein; said modified glitch latch is a sensing element coupled to a read word line of a retirement payload array and said second or active phase of said read signal corresponds to a shift in position of a read pointer of said retirement payload array.

3. The method of Claim 2, wherein;
said retirement payload array comprises M read
word lines and N read bit lines, further wherein;
each of said M read word lines is coupled to a
corresponding one of M modified glitch latches.

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- 4. The method of Claim 3, wherein; said number of rows M is equal to 16 and said number of columns N is equal to 192 such that said retirement payload array is a 192 column and 16 row retirement payload array.
- 5. The method of Claim 3, wherein;
  said retirement payload array is a 192 column, 16read word line register file structure employing a
  dynamic, full swing pull down read mechanism.
  - 6. A modified glitch latch, said modified glitch latch comprising:
- a modified glitch latch first input terminal;
  a signal IN coupled to said modified glitch latch
  first input terminal;

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a first inverter, said first inverter comprising a first inverter input terminal coupled to said modified glitch latch first input terminal and a first inverter output terminal;

an OR gate, said OR gate comprising an OR gate first input terminal, an OR gate second input terminal, coupled to said first inverter output terminal, and an OR gate output terminal;

a first NAND gate, said first NAND gate comprising a first NAND gate first input terminal, coupled to said OR gate output terminal, a first NAND gate second input terminal and a first NAND gate output terminal;

a NOR gate, said NOR gate comprising a NOR gate first input terminal, coupled to said NAND gate output terminal, a NOR gate second input terminal, coupled to said modified glitch latch first input terminal and a NOR gate output terminal, coupled to said a first NAND gate second input terminal;

a modified glitch latch output terminal coupled to said NOR gate output terminal;

a control circuit, said control circuit comprising a control circuit first input terminal, a control circuit second input terminal and a control circuit output terminal;

a clock signal coupled to said control circuit first input terminal, said clock signal having a first or "A" phase and a second or "B" phase;

an read signal coupled to said control circuit second input terminal, said read signal having a first or inactive phase and a second or active phase, wherein;

said control circuit output terminal is coupled to said OR gate first input terminal such that a control signal from said control circuit output terminal is coupled to said OR gate first input terminal, further wherein:

said control signal from said control circuit output terminal opens said modified glitch latch only when, both:

said clock signal is in said "B" phase; and said read signal is in said active phase.

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- 7. The structure of Claim 6, wherein; said modified glitch latch is a sensing element coupled to a read word line of a retirement payload array and said second or active phase of said read signal corresponds to a shift in position of a read pointer of said retirement payload array.
- 8. The method of Claim 7, wherein;
  said retirement payload array comprises M read
  word lines and N read bit lines, further wherein;
  each of said M read word lines is coupled to a
  corresponding one of M modified glitch latches.

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9. The method of Claim 8, wherein;

said number of rows M is equal to 16 and said number of columns N is equal to 192 such that said retirement payload array is a 192 column and 16 row retirement payload array.

10. The method of Claim 8, wherein; said retirement payload array is a 192 column, 16-read word line register file structure employing a dynamic, full swing pull down read mechanism.

11. The modified glitch latch of Claim 6, wherein;

said control circuit comprises:

a second inverter, said second inverter comprising a second inverter input terminal, coupled to said control circuit first input terminal, and a second inverter output terminal;

a second NAND gate, said second NAND gate
comprising a second NAND gate first input terminal,
coupled to said control circuit second input terminal,
a second NAND gate second input terminal, coupled to
said second inverter output terminal, and a second NAND
gate output terminal coupled to said control circuit
output terminal.

12. The structure of Claim 11, wherein;

said modified glitch latch is a sensing element coupled to a read word line of a retirement payload array.

5 13. The method of Claim 12, wherein; said retirement payload array comprises M read word lines and N read bit lines, further wherein; each of said M read word lines is coupled to a corresponding one of M modified glitch latches.

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- 14. The method of Claim 13, wherein; said number of rows M is equal to 16 and said number of columns N is equal to 192 such that said retirement payload array is a 192 column and 16 row retirement payload array.
- 15. The method of Claim 13, wherein;
  said retirement payload array is a 192 column, 16read word line register file structure employing a
  dynamic, full swing pull down read mechanism.
  - 16. A method for controlling the operation of a modified glitch latch, said method comprising:

receiving a clock signal, said clock signal having
25 a first or "A" phase and a second or "B" phase;

receiving a read signal, said read signal having a first or inactive phase and a second or active phase; and

opening said modified glitch latch only when, both:

said clock signal is in said "B" phase; and said read signal is in said active phase.

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17. The method of Claim 16, wherein;

said glitch latch is a sensing element coupled to a read word line of a retirement payload array and said second or active phase of said read signal corresponds to a shift in position of a read pointer of said retirement payload array.

- 18. The method of Claim 17, wherein;
  said retirement payload array comprises M read
  word lines and N read bit lines, further wherein;
  each of said M read word lines is coupled to a
  corresponding one of M modified glitch latches.
- 19. The method of Claim 18, wherein;
  20 said number of rows M is equal to 16 and said
  number of columns N is equal to 192 such that said
  retirement payload array is a 192 column and 16 row
  retirement payload array.
- 20. The method of Claim 19, wherein;
  said retirement payload array is a 192 column, 16read word line register file structure employing a
  dynamic, full swing pull down read mechanism.

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21. A method for performing conditional reads of a retirement payload array in a microprocessor, said method comprising:

providing a retirement payload array, said
retirement payload array comprising M rows of memory
cells and N columns of memory cells; said retirement
payload array further comprising M read word lines and
N read bit lines, wherein, each of said N read bit
lines is coupled to a corresponding pre-charge device
and a corresponding sensing device;

coupling a clock signal to said retirement payload array, said clock signal having a first or "A" phase and a second or "B" phase; wherein said pre-charge devices are pre-charged when said clock signal is in said first or "A" phase;

coupling a read signal to said retirement payload array, said read signal having a first or inactive phase and a second or active phase, said second or active phase of said read signal corresponding to a shift in position of a read pointer of said retirement payload array;

initiating a read of said retirement payload array only when, both:

said clock signal is in said "B" phase; and said read signal is in said active phase; coupling M modified glitch latches, one each, to each of said M read word lines;

coupling said clock signal to a first input
terminal of each of said M modified glitch latches;
coupling said read signal to a second input
terminal of each of said M modified glitch latches;
opening said modified glitch latch only when,
both:

said clock signal is in said "B" phase; and said read signal is in said active phase.

10 22. The method of Claim 21, wherein; said number of rows M is equal to 16 and said number of columns N is equal to 192 such that said retirement payload array is a 192 column and 16 row retirement payload array.

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23. The method of Claim 22, wherein;
said retirement payload array is a 192 column, 16read word line register file structure employing a
dynamic, full swing pull down read mechanism.